SUMMARY FOR THE SAN FRANCISCO BAY AREA AND MONTEREY BAY AREA...

THE WEATHER DURING THE FIRST 12 DAYS OF AUGUST WAS SIMILAR TO THE WEATHER OUR AREA EXPERIENCED DURING MUCH OF JULY...COOL WITH WIDESPREAD NIGHT AND MORNING LOW CLOUDS AND FOG. AN UPPER LEVEL TROUGH PERSISTED OFF THE CALIFORNIA COAST...MAINTAINING A DEEP MARINE LAYER AND ONSHORE FLOW. SAN JOSE'S HIGH TEMPERATURE WAS BELOW NORMAL FOR EACH OF THE FIRST ELEVEN DAYS OF AUGUST. NIGHT AND MORNING DRIZZLE WAS COMMON NEAR THE COAST DURING THE FIRST 12 DAYS OF AUGUST. AT HALF MOON BAY ON THE SAN MATEO COUNTY COAST...THERE WAS ENOUGH DRIZZLE TO MEASURE FOR EIGHT CONSECUTIVE DAYS...FROM THE 5TH THROUGH THE 12TH.

A BRIEF AND MODEST WARM-UP OCCURRED AROUND THE MIDDLE OF AUGUST AS THE UPPER RIDGE OVER THE DESERT SOUTHWEST EXPANDED SLIGHTLY TO THE WEST. A WEAK UPPER LEVEL LOW THEN DEVELOPED OFF THE CENTRAL CALIFORNIA COAST ON SATURDAY THE 17TH. CIRCULATION AROUND THIS LOW BROUGHT MONSOONAL MOISTURE NORTWARD ACROSS OUR REGION. INSTABILITY WAS INITIALLY LACKING AND SO THIS MONSOONAL MOISTURE ONLY RESULTED IN SOME MID LEVEL CLOUDINESS ON THE 17TH AND 18TH. BUT THE AIRMASS BECAME MORE UNSTABLE WITH TIME AND BY MIDDAY ON MONDAY THE 19TH THUNDERSTORMS DEVELOPED. THE VAST MAJORITY OF THE THUNDERSTORMS ON THE AFTERNOON AND EVENING OF THE 19TH WERE IN A LINE THAT EXTENDED FROM NEAR THE SAN MATEO COUNTY COAST WESTWARD WELL OUT OVER THE OPEN OCEAN. BY 8 PM THAT EVENING...LIGHTNING DETECTION NETWORKS HAD PICKED UP OVER 2500 LIGHTNING STRIKES...MOST OF THEM OFFSHORE. WIDELY SCATTERED THUNDERSTORMS ALSO OCCURRED OVER SAN MATEO AND SANTA CLARA COUNTIES THAT EVENING. AND...AN ISOLATED STORM PRODUCE BRIEF RAINFALL AND THUNDER OVER CARMEL VALLEY LATE ON THE EVENING OF THE 19TH. THUNDERSTORM ACTIVITY CONTINUED INTO TUESDAY THE 20TH...BUT AGAIN MOST OF THE THUNDERSTORMS WERE OFFSHORE. ONE LIGHTNING STRIKE WAS DETECTED OVER NAPA COUNTY ON THE 20TH.

AVERAGE TEMPERATURES FOR THE MONTH OF AUGUST WERE NEAR NORMAL TO SLIGHTLY BELOW NORMAL. THERE WERE NO DAILY HIGH TEMPERATURE RECORDS SET OR TIED IN AUGUST.

NO PRECIPITATION FELL AT THE MAJORITY OF CLIMATE STATIONS DURING AUGUST. COASTAL AREAS RECEIVED MEASURABLE PRECIPITATION IN THE FORM OF MARINE LAYER DRIZZLE...MAINLY DURING THE FIRST HALF OF THE MONTH. HALF MOON BAY PICKED UP 0.15 INCHES OF DRIZZLE FROM THE 5TH THROUGH THE 12TH. ONLY A FEW INLAND LOCATIONS HAD MEASURABLE RAINFALL DURING AUGUST...INCLUDING CARMEL VALLEY AND MOUNT HAMILTON...PRIMARILY FROM ISOLATED THUNDERSTORMS LATE ON THE 19TH.

THE SUMMERS OF 2010...2011...AND 2012 WERE ALL COOLER THAN NORMAL. ALTHROUGH SOME CLIMATE STATIONS WERE COOLER THAN NORMAL ONCE AGAIN THIS SUMMER...AVERAGE SUMMER TEMPERATURES AT MOST CLIMATE STATIONS WERE NEAR NORMAL IN 2013. LISTED BELOW ARE AVERAGE TEMPERATURES FOR THE THREE SUMMER MONTHS OF JUNE...JULY AND AUGUST AT A FEW KEY LOCATIONS ACROSS THE REGION...COMPARED TO THE SUMMERTIME NORMAL.

LOCATION	SUMMER 2013	SUMMER	DEPARTURE
	AVERAGE TEMP*	NORMAL	FROM NORMAL
SAN FRANCISCO	60.5 DEG F	60.5 DEG F	0.0 DEG F
SAN JOSE	68.6	69.2	-0.6
NAPA	69.0	68.4	0.6
LIVERMORE	72.4	71.3	1.1
SALINAS	62.8	62.0	0.8

<sup>\*</sup>AVERAGE TEMPERATURE = (HIGH TEMPERATURE + LOW TEMPERATURE)/2

## ...AUGUST REGIONAL TEMPERATURE SUMMARY...

LOCATION		NORMAL HIGH	DEPARTURE FROM NORMAL		NORMAL LOW	DEPARTURE FROM NORMAL
NORTH BAY						
KENTFIELD NAPA NAPA AIRPORT OCCIDENTAL PETALUMA AIRPORT SAINT HELENA SAN RAFAEL	87.9 90.5 81.5 82.4 80.0 75.9 78.5 87.6 81.4 82.8	91.7 82.3 83.0 79.6 79.0	-2.8 -1.2 -0.8 -0.6 0.4 -3.1 -3.4 -1.3 1.7	51.6 56.3 54.7 56.0 54.2 53.4 53.9 56.3 56.8 52.6	54.3 52.1 55.3 53.1 55.0 52.0 52.8 52.6 54.6 55.2 51.1 52.3	-2.3 -0.5 1.0 1.6 1.0 2.2 0.6 1.3 1.7 1.6 1.5
SAN FRANCISCO PENI	NSULA.					
HALF MOON BAY PALO ALTO REDWOOD CITY SAN FRANCISCO AIRPORT SAN FRANCISCO DOWNTOWN WOODSIDE	78.0 80.2 71.6 66.6	79.4 81.4 72.7 68.1	-1.2 -1.1	57.1 58.0 57.3 55.9	52.3 54.9 55.8 56.3 55.1 51.2	2.2 2.2 1.0 0.8
EAST BAY						
ANTIOCH BERKELEY CONCORD CONCORD AIRPORT FREMONT	74.3 85.4 84.6	74.3 87.3 87.2	-2.2 0.0 -1.9 -2.6 -3.3	54.7 59.5	58.6 53.9 58.5 57.5 56.8	0.8 1.0

MARTINEZ	86.7 87.0	88.4	-1.7 -0.3	56.8 59.0		0.1 1.6
MOUNT DIABLO JUNCTION NEWARK OAKLAND OAKLAND AIRPORT	75.1 72.8	77.4 73.0	-5.1 -2.3 -0.2 -0.5	58.7 58.0	58.4 57.5	0.3
SOUTH BAY AND SANTA	A CRUZ	COUNTY				
LOS GATOS MOFFETT FED AF MOUNT HAMILTON SAN JOSE SANTA CRUZ WATSONVILLE WATSONVILLE AP	81.8 75.5 75.8 78.8 78.9 72.8 73.7	84.1 77.3 77.4 81.9 76.2 72.3 74.3	-1.8 -1.6 -3.1 2.7 0.5 -0.6	57.0 59.8 61.5 59.0 55.9	55.2 59.2 64.1 58.3 54.3 54.1	1.8 0.6 -2.6 0.7 1.6 1.4
MONTEREY AND SAN BE CARMEL VALLEY HOLLISTER KING CITY MONTEREY MONTEREY AIRPORT PINNACLES NP SALINAS SALINAS AIRPORT	79.3 80.9 83.6 67.3 69.3 93.7 72.9	79.8 82.0 85.7 67.6 68.9 94.9 72.5	-0.5 -1.1 -2.1 -0.3 0.4 -1.2 0.4	54.8 54.2 53.5 55.7 48.0 54.4	53.6 53.0 53.1 54.2 50.2	1.2 1.2 0.4 1.5 -2.2 0.4

# ...AUGUST REGIONAL PRECIPITATION SUMMARY...

NOTE: ONLY CLIMATE STATIONS WITH MEASURABLE RAINFALL DURING THE MONTH ARE LISTED.

		AVERAGE	
	AUGUST	AUGUST	PERCENT
LOCATION	TOTAL	PRECIP	OF NORMAL
NORTH BAY			
MUIR WOODS	0.16	0.14	114
OCCIDENTAL	0.04	0.16	25
SAN FRANCISCO PENI	NSULA		
HALF MOON BAY SAN FRANCISCO	0.26	0.22	118
DOWNTOWN	0.04	0.06	67

## EAST BAY...

BERKELEY	0.05	0.06	83
SOUTH BAY AND SANT	A CRUZ	Z COUNTY	
MOUNT HAMILTON	0.03	0.06	50
WOMENEY AND ONLE		COLUMNIA	
MONTEREY AND SAN E	BENITO	COUNTIES	
CARMEL VALLEY	0.02	0.03	67
MONTEREY	0.01	0.07	14
MONTEREY AIRPORT	0.10	0.04	250
SALINAS	0.07	0.04	175
SALINAS AIRPORT	0.02	0.03	67

#### ...DAILY RECORDS FOR AUGUST 2013...

		RECORD	
		DALY	PREVIOUS
	LOCATION	RAINFALL	RECORD
9/08	SAN FRANISCO DOWNTOWN	0.03 INCHES	0.02 IN 1907

### ...MONTHLY RANKS FOR DOWNTOWN SAN FRANCISCO...

AVERAGE HIGH TEMPERATURE....66.6....46TH WARMEST OUT OF 140 YEARS AVERAGE LOW TEMPERATURE....55.9....18TH WARMEST OUT OF 140 YEARS PRECIPITATION......0.04 INCHES....26TH WETTEST OUT OF 161 YEARS

#### ...MONTHLY EXTREMES FOR SELECT LOCATIONS...

LOCATION	MAX TEMP:	MIN TEMP:	PRECIP:
	WARMEST	COOLEST	WETTEST
	DAY(S)	DAY(S)	DAY(S)
SANTA ROSA AIRPORT	8/18 8/30	8/01	8/26
	95 DEG	44 DEG	0.01 IN
SAN FRANCISCO	8/30	8/03	8/08
	77 DEG	52 DEG	0.03 IN
LIVERMORE AIRPORT	8/19 104 DEG	8/02 53 DEG	N/A

SAN JOSE	8/18 91 DEG	8/3 53 DEG	N/A
SALINAS AIRPORT	8/25 8/30	8/22	8/07 8/08
	82 DEG	52 DEG	0.01

NOTE: THIS CLIMATOLOGICAL DATA IS PRELIMINARY. FOR OFFICIAL CERTIFIED CLIMATOLOGICAL DATA PLEASE CONTACT THE NATIONAL CLIMATIC DATA CENTER AT 828-271-4800 OR http://www.ncdc.noaa.gov.OFFICIAL VALUES AS DETERMINED AT THE ABOVE WEB SITE MAY TAKE SEVERAL MONTHS FOR AUTHENTICATION AND PUBLICATION.

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